

AMENDMENTS TO THE CLAIMS

Please amend Claims 7-10 and 13 as follows.

Claims 1-6 (Canceled)

7. (Currently Amended) A photic image processing method ~~as claimed in Claim 6,~~
executed by a photic image pick-up circuit including a lamp having a brightness, a lens and
charge coupled device (CCD), comprising steps of:

(1) processing a photic image unit to generate a photic image signal having a
plurality of basic image signals each of which represents a fundamental color, wherein
said basic image signals of said photic image signal are respectively 3 basic signals
indicative of red, green and blue fundamental colors;

(2) performing a first regulating compensation to each of said basic image signals
of said photic image to generate first compensated basic image signals, wherein said first
regulating compensation regulates and equilibrates said photic image signals of red, green
and blue fundamental colors and compensates a lamp aging phenomenon of said photic
image pick-up circuit;

(2a) eliminating a common-mode voltage of said photic image signal;

(2b) regulating a DC voltage offset of said photic image signal;

(2c) amplifying and outputting said photic image signal whose said DC voltage
offset is regulated;

(2d) performing said first regulating compensation in response to a control signal,
in order to equilibrate said basic image signals of said photic image signal;

(3) multiplexing said first compensated basic image signals in a period of time to
generate a multiplexed photic image signal having said compensated basic image signals
in series in said period of time, wherein said period is equal to a time of processing a
photic image unit ; and

(4) performing a second regulating compensation for said multiplexed photic image signal to generate a second compensated multiplexed photic image signal.

8. (Currently Amended) A photic image processing method as claimed in Claim 7, [[5]] wherein said step (3) further includes steps of:

(3a) equally dividing said period of time into three segments, and multiplexing said 3 basic signals of red, green and blue fundamental colors in said three segments to obtain a multiplexed photic image signal alternately containing therein said 3 basic signals;

(3b) outputting three compensation values at said three segments, each of said three compensation values compensating one of said 3 basic signals of red, green and blue fundamental colors at the corresponding segment in said multiplexed photic image signal; and

(3c) compensating said 3 basic signals of red, green and blue fundamental colors in said multiplexed photic image signal by multiplying respectively said three compensation values therefor to accomplish said second regulating compensation.

9. (Currently Amended) A photic image processing device as claimed in Claim 7 [[6]], wherein said second regulating compensation correlates and compensates a non-uniformity among said lamp's brightness, said lens, and said charge coupled device (CCD).

10. (Original) A photic image processing method according to claim 8, wherein said method further includes steps of:

(1) converting said second compensated multiplexed photic image signal into a digital photic image signal; and

(2) generating said control signal corresponding to said digital photic image signal.

Claims 11-12 (Canceled)

13. (Currently Amended) A photic image processing method ~~as claimed in Claim 12,~~
comprising steps of:

(1) processing a photic image unit to generate a photic image signal having a plurality of basic image signals;

(2) performing a first regulating compensation to each of said basic image signals of said photic image to generate a first compensated basic image signals in order to equilibrate said basic image signals of said photic image signal;

(3) multiplexing said first compensated basic image signals in a period of time to generate a multiplexed photic image signal having said compensated basic image signals in series in said period of time, wherein said period is equal to a time of processing a photic image unit, wherein said step (3) further includes steps of:

(3a) equally dividing said period of time into three segments, and multiplexing said 3 basic signals of red, green and blue fundamental colors in said three segments to obtain a multiplexed photic image signal alternately containing therein said 3 basic signals;

(3b) outputting three compensation values at said three segments, each of said three compensation values compensating one of said 3 basic signals of red, green and blue fundamental colors at the corresponding segment in said multiplexed photic image signal; ~~and~~

(3c) compensating said 3 basic signals of red, green and blue fundamental colors in said multiplexed photic image signal by multiplying respectively said three compensation values therefor to accomplish said second regulating compensation; and

(4) performing a second regulating compensation for said multiplexed photic image signal to generate a second compensated multiplexed photic image signal;

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wherein said basic image signals of said photic image signal are respectively 3 basic signals indicative of red, green and blue fundamental colors, where is executed by a photic image pick-up circuit including a lamp having a brightness, a lens and charge coupled device (CCD), and wherein said first regulating compensation regulates and equilibrates said photic image signals of red, green and blue fundamental colors and compensates a lamp aging phenomenon of said photic image pick-up circuit.

14. (Canceled)